

## MAIN INSTALLATION CHECKLIST

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<b>Operator:</b> AMEREN ILLINOIS COMPANY	Operator ID#: 32513
<b>Inspection Date(s):</b> 9/11/2012, 9/12/2012, 9/13/2012	Man Days: 3
<b>Inspection Unit:</b> Springfield	
<b>Location of Audit:</b> Springfield	
<b>Exit Meeting Contact:</b> Mark Mancewicz	
<b>Inspection Type:</b> Standard Inspection - Field Audit	
<b>Pipeline Safety Representative(s):</b> Charles Gribbins	
<b>Company Representative to Receive Report:</b> Michael Fuller	
<b>Company Representative's Email Address:</b> mfuller2@ameren.com	

CONSTRUCTION INFORMATION		
<b>Location of Construction:</b> Arlington & Berkley Drive, Springfield	<b>Construction Performed By:</b> Ameren Illinois Crew	
<b>Contractor Foreman:</b>	No contractors involved with this construction site.	
<b>Operator Inspector:</b>	Inspection conducted by Crew Leader.	
Person(s) On Job Site		
Mike Martinie		
<b>Description of Construction:</b> Replacing existing coupled steel main with PE Main.		

MAIN INSTALLATION		Status
192.55	Steel	No
<b><u>General Comment:</u></b> <i>The operator is replacing coupled steel with PE.</i>		
192.59	PE	Yes
<b><u>General Comment:</u></b> <i>The operator is installing PE Main</i>		
192.59	Other	No

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<b><u>General Comment:</u></b>		
There is no other type of pipe being installed at this location.		
192.5	Class location :	
<b><u>General Comment:</u></b>		
This is a class three location.		
192.619,192.621,192.623	MAOP	
<b><u>General Comment:</u></b>		
The MAOP of the new PE will be 60 psi		
192.63	Pipe Size :	
<b><u>General Comment:</u></b>		
2" PE		
192.55,192.59	Specification :	
<b><u>General Comment:</u></b>		
ASTM D2513		
192.55,192.59	Manufacturer :	
<b><u>General Comment:</u></b>		
Driscoplex		
192.55,192.59	Pipe Grade :	
<b><u>General Comment:</u></b>		
PE 2406		
192.55,192.59	Wall Thickness :	
<b><u>General Comment:</u></b>		
DR11		
192.63(a)(2)	Are pipe, valves, and fittings properly marked for identification?	
<b><u>General Comment:</u></b>		
Staff inspected the pipe and fittings at this construction site.		
192.227	Date of Welder qualification:	Not Applicable
<b><u>General Comment:</u></b>		
This site was an all plastic installation and did not require a welder.		
192.227	Welder's Name:	
<b><u>General Comment:</u></b>		

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<i>This site was an all plastic installation and did not require a welder.</i>		
192.225,192.275,192.277,192.279,192.283	Is pipe joined in accordance with approved written procedures?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff reviewed the joining procedures on site.</i>		
192.285	Date of Plastic Joining Qualification :	
<b><u>General Comment:</u></b> <i>1-27-2012</i>		
192.285	Joiner's name:	
<b><u>General Comment:</u></b> <i>Mike Martinie</i>		
192.455	Is buried metallic pipe coated?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No metallic pipe was being installed.</i>		
192.461	Does coating meet 192.461?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No metallic pipe was being installed; there was not a need for coating.</i>		
192.455(a)(1)	Is cathodic protection being provided?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Cathodic protection not required an all plastic system.</i>		
192.455(a)(1)	Is cathodic protection being provided? By Anodes:	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Cathodic protection not required an all plastic system.</i>		
192.455(a)(1)	Is cathodic protection being provided? By Rectifier:	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Cathodic protection not required an all plastic system.</i>		
192.461(c)	Is coating inspected just prior to being installed in the ditch?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No metallic pipe was being installed; there was not a need for coating.</i>		
192.467	Are pipelines electrically isolated from other underground metallic structures?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		

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No metallic pipe was being installed; there was not a need for electrical isolation.		
192.479	Are above ground facilities cleaned and coated or jacketed as needed?	Not Applicable
<b>General Comment:</b> Staff did not observe any above ground facilities during this inspection.		
192.303	Are comprehensive written construction specifications available and adhered to?	Satisfactory
<b>General Comment:</b> The construction specifications were reviewed onsite and then verified by observation.		
192.305	Are inspections performed by the operator to check adherence to the construction specifications?	Satisfactory
<b>General Comment:</b> Staff verified this section by asking questions and observing how the pipe was installed.		
192.307	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	Satisfactory
<b>General Comment:</b> Staff was not onsite when the operator performed the visual inspection. Staff did question the operator about the inspection the operator stated that they did not find any damages that would impair its serviceability.		
192.319	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	Not Checked
<b>General Comment:</b> Staff did not observe the backfilling of the main at this site.		
192.321(c)	Is plastic pipe installed as to minimize shear and tensile forces?	Satisfactory
<b>General Comment:</b> The operator had most of the plastic pipe installed prior to staff's arrival. Most of the pipe was installed by boring and a weak link was used to pull the pipe into the ditch.		
192.321(e)	Does plastic pipe have means of locating while underground?	Satisfactory
<b>General Comment:</b> Tracer wire was noted at all location where the pipe was left exposed to make service line connections.		
192.325	Are required clearances from underground structures being maintained?	Satisfactory
<b>General Comment:</b> Staff was not on site when the operator crossed other underground structures, but staff did question the operator about the underground structures and was advised by the crew leader that they hand dug at locations where they had to cross underground structure.		
192.327	Is required cover being obtained appropriate to type of pipeline and location?	Satisfactory

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<b><u>General Comment:</u></b>		
At several of the locations staff had the operator take a measurement to verify the depth of the pipe, at both locations the depth was approximately 34" from the top of the pipe to ground level.		
192.503	Are general testing requirements being met?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
Staff did not stay on site to observe the pressure testing.		
192.517	Are records being made of strength and leak tests?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
Staff did not review pressure test records at this location.		
192.807	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
Staff reviewed Qualification records for Mike Martinie		
192.805(c)	Were non-qualified personnel being "directed and observed" by a qualified individual?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
There were not any non-qualified personnel on the job site.		
192.805(c)	Were span of control limitations being followed?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
There were not any non-qualified personnel on the job site.		
Was a Protocol 9 (Form 15) Completed?		<b>Yes</b>
<b><u>General Comment:</u></b>		
See Operator Qualification Field Inspection Protocol Form for this information.		
192.614	Were One Call Notifications performed as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
Staff reviewed the one call dig tickets and then verified some of the markings.		
192.614	Dig Ticket #	<b>X002430610X002430563</b>
<b><u>General Comment:</u></b>		
The following did numbers were reviewed: X002430610 & X002430563		

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